NextGen City Pairs - North Texas

When a traveler starts to plan a trip or when an airline operator starts to plan air service, they will look at the points of origin and destination for flights. These points of origin and destination are thought of in terms of pairs of cities or pairs of metroplexes. In measuring city-pair performance, the NPS website looks at flights that either originate or conclude at a specific metroplex, such as the New York/Philadelphia metroplex to Southern California. For each city pair, an origin airport (for example, Newark Liberty International, EWR) and a destination airport (for example, Los Angeles International, LAX) are listed. The city pairs are unidirectional (only measuring EWR to LAX in the example above) and the NPS website reports them as recommended by the NextGen Advisory Committee (NAC).

All results are reported by Fiscal Year (FY), October 1 — September 30.

Flights can depart outside of the reportable hours, but must arrive during the reportable hours at the destination airport. For a list of the reportable hours for each airport, please see the Reference Guide.

Average Airborne Time (FY)

This metric is measured as Minutes

During reportable hours at the destination airport, the average Airborne Time for flights between the selected city pair. The reportable hours vary by airport and the results are reported by fiscal year. Additional reportable hour information can be found in the airport information section of the Reference Guide.

Origin	Destination	2009	2010	2011	2012	2013	2014
ATL	DFW	113.1	112.1	111.3	111.9	112.7	112.9
DFW	IAH	44.0	43.9	42.4	43.0	42.3	42.7
DFW	LAX	168.1	168.3	169.0	167.6	169.2	170.4
DFW	ORD	109.5	108.6	108.7	108.2	109.1	109.7

Effective Gate-to-Gate Time (FY)

This metric is measured as Average Minutes per Flight

During reportable hours at the destination airport, the difference between the Actual Gate-In Time at the destination airport and the Scheduled Gate-Out Time at the origin airport. Flights may depart outside reportable hours, but must arrive during them. The reportable hours vary by airport and the results are reported by FY.

Origin	Destination	2009	2010	2011	2012	2013	2014
ATL	DFW	151.0	150.2	144.4	143.5	147.0	148.7
DFW	IAH	74.6	72.5	69.9	75.3	74.8	78.2
DFW	LAX	204.9	206.8	205.8	202.9	207.5	209.4
DFW	ORD	146.4	146.4	144.1	140.5	146.5	150.8

Airborne Distance (FY)

This metric is measured as Nautical Miles

During reportable hours at the destination airport, the average airborne distance of flights between the selected city pair. The reportable hours vary by airport and the results are reported by fiscal year. Additional reportable hour information can be found in the airport information section of the Reference Guide.

Origin	Destination	2009	2010	2011	2012	2013	2014
ATL	DFW	1	1	687.2	691.6	691.9	690.9
DFW	IAH	1	1	228.1	229.5	226.7	229.6
DFW	LAX	1	1	1095.8	1094.0	1093.8	1093.1
DFW	ORD	1	1	746.1	742.4	745.7	751.0

1 No data available.

Efficiency:

As described by ICAO, *efficiency addresses the operational and economic cost-effectiveness of gate-to-gate flight operations from a single-flight perspective. In all phases of flight, airspace users want to depart and arrive at the times they select and fly the trajectory they determine to be optimum.*

Airborne Time Predictability (FY)

This metric is measured as Minutes

During reportable hours at the destination airport, the difference between the 85th and 15th percentiles of Airborne Time for flights between the selected city pair. The reportable hours vary by airport and the results are reported by FY. Additional reportable hour information can be found in the airport information section of the Reference Guide.

Origin	Destination	2009	2010	2011	2012	2013	2014
ATL	DFW	18	21	20	18	19	18
DFW	IAH	9	9	8	8	8	7
DFW	LAX	21	20	23	21	24	20
DFW	ORD	16	14	15	14	14	14

Effective Gate-to-Gate Time Predictability (FY)

This metric is measured as Minutes

During reportable hours, the difference between the 85th and 15th percentiles of the Effective Gate-to-Gate Time metric. The reportable hours vary by airport and the results are reported by FY. Additional percentile and reportable hour information can be found in the Reference Guide.

Origin	Destination	2009	2010	2011	2012	2013	2014
ATL	DFW	41	40	36	32	35	38

DFW	IAH	33	34	30	36	38	42
DFW	LAX	42	44	43	39	44	41
DFW	ORD	47	51	47	42	49	51

Predictability:

As described by ICAO: *Predictability refers to the ability of airspace users and ATM service providers to provide consistent and dependable levels of performance.*

Core Airports within North Texas Metroplex

DFW

Dallas/Fort Worth International Airport